

**Incinerator
Form 12 (Continued)**

Operational Information			
13.	Average operation time of incinerator:	hrs/day	days/week
14.	Maximum operation time of incinerator:	hrs/day	days/week
15.	Average Temperature: Primary	°F	Secondary °F
16.	Residence time: Primary:	seconds	Secondary: seconds
17.	Type of feed: ? Manual ? Ram ? Other _____		
18.	Proposed BACT (Best Available Control Technology): ? Quench Tower ? Heat Exchanger ? Dry Scrubber (attach DAQ Form 9) ? Wet Scrubber (attach DAQ Form 9) ? Baghouse (attach DAQ Form 10)		
Emission Information			
19.	Number of identical sources (describe)		
20.	Average Operation		
Content	Concentration or emission rate per identical source	Method used to determine concentration or emission rate	
particulate matter	gr/dscf	? lb/10 ⁶ BTU ? lb/hr	
carbon monoxide	ppm (vol)	? lb/10 ⁶ BTU ? lb/hr	
nitrogen oxides	ppm (vol)	? lb/10 ⁶ BTU ? lb/hr	
organic compounds	ppm (vol)	? lb/10 ⁶ BTU ? lb/hr	
sulfur dioxide	ppm (vol)	? lb/10 ⁶ BTU ? lb/hr	

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Form 12 (Continued)**

Maximum Operation			
Contaminant	Concentration or Emission Rate per Identical Source		Method Used to Determine Concentration or Emission Rate
particulate matter	gr/dscf	? lb/10 ⁶ BTU ? lb/hr	
carbon monoxide	ppm (vol)	? lb/10 ⁶ BTU ? lb/hr	
nitrogen oxides	ppm (vol)	? lb/10 ⁶ BTU ? lb/hr	
organic compounds	ppm (vol)	? lb/10 ⁶ BTU ? lb/hr	
sulfur dioxide	ppm (vol)	? lb/10 ⁶ BTU ? lb/hr	
Metals (Maximum Operation)(lb/hr)			
arsenic		manganese	
barium		mercury	
cadmium		nickel	
hexavalent chromium		selenium	
total chromium		silver	
copper		tin	
lead		dioxins/furans	
21. Exhaust Point Information			
Flow diagram designation(s) of exhaust point(s):			
Description of exhaust point (location in relation to buildings, direction, hooding, etc.):			
Exhaust height above grade:		Exhaust diameter:	
Greatest height of nearby buildings: ft		Exhaust distance from nearest plant boundary: ft	
Average Operation		Maximum Operation	
Exhaust gas temperature:		Exhaust gas temperature:	
Gas flow rate through each exhaust point:		Gas flow rate through each exhaust point:	

NOTE: 1. **Submit this form in conjunction with Form 1 and Form 2.**

2. Call the Division of Air Quality (DAQ) at **(801) 536-4000** if you have problems or questions in filling out this form. Ask to speak with a New Source Review engineer. We will be glad to help!

**Incinerator
Form 12 (continued)**

Instructions

1. Attach flow diagram of the described incinerator.
2. Please describe the source of waste to be incinerated.
3. Supply the name of the manufacturer of the incinerator.
4. Supply the model and number of the incinerator.
5. Indicate the type of incinerator.
6. Specify the maximum amount of waste to be incinerated.
7. Specify the daily amount of waste to be incinerated.
8. Indicate the height of the stack above ground level.
9. Indicate the height of tallest structure within 150 feet.
10. Supply the specifications for primary burner used.
11. Supply the specifications for secondary burner used.
12. Indicate the type of typical waste to be incinerated.
13. Supply the average operation time of the incinerator.
14. Supply the maximum operation time of the incinerator.
15. Supply the average temperature in the primary and secondary chambers.
16. Supply the residence time in the primary and secondary chambers.
17. Indicate what type of feed is used to load the incinerator.
18. Indicate the control technology to be use. Submit the corresponding form, if available, for the control technology. Submit specifications for control technology which a form is not available for. Forms available are the following:

Form 3 Afterburners

Form 4 Flares

Form 5 Adsorption Unit

Form 6 Cyclone

Form 7 Condenser

Form 8 Electrostatic Precipitators

Form 9 Scrubber

Form 10 Fabric Filter
19. Indicate how many incinerators units are being used.
20. Specify the concentration or emission rate of the listed contaminants for both the average and maximum feed rate.
21. Supply the exhaust specifications listed.